



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10/765,926
Filing Date	January 29, 2004
First Named Inventor	Baldomero M. OLIVERA
Group Art Unit	1653
Examiner Name	

Sheet	1	of	3	Attorney Docket Number	2314-273
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
RK ↓	1	5,591,821		Olivera et al.	01/07/1997
	2	5,587,454		Justice et al.	12/24/1996
	3	5,559,095		Miljanich et al.	09/24/1996
	4	5,231,011		Hillyard et al.	07/27/1993

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ (if known)			
RK ↓	5	WO	99/54350		Univ. of Queensland	10/28/1999	
	6	WO	93/10145		Neurex Corporation	05/27/1993	

Examiner
Signature


Rosanne Korman

Date
Considered

1/16/07


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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
RK	7 /	Bai-Song, Lu, et al., "Conopeptides from <i>Conus striatus</i> and <i>Conus textile</i> by cDNA cloning," Peptides, Vol. 20, pp. 1139-1144 (1999)			
	8 /	Database EMBL Online, CX05_CONGE, "Omega-conotoxin GVIA precursor (Shaker peptide) (SNX-124)" (July 21, 1986)			
	9 /	Database EMBL Online, CX0A_CONMA, "Omega-conotoxin MVIIa precursor (SNX-111) (Ziconotide) (Nov. 1, 1988)			
	10 /	Hillyard, D.R. et al., "A New <i>Conus</i> Peptide Ligand for Mammalian Presynaptic CA ²⁺ Channels", <i>Neuron</i> , Vol. 9, pp. 69-77, July 1992.			
	11 /	Hogg, R. C., et al., "Single Amino Acid Substitutions in α -Conotoxin PnIA Shift Selectivity for Subtypes of the Mammalian Neuronal Nicotinic Acetylcholine Receptor," <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 51, pp. 36559-36564 (1999)			
	12 /	Jacobsen, R. B., "Critical Residues Influence the Affinity and Selectivity of α -Conotoxin MI for Nicotinic Acetylcholine Receptors," <i>Biochemistry</i> , Vol. 38, pp. 13310-13315 (1999)			
	13 /	Monje, V.D., et al., "A New <i>Conus</i> Peptide Ligand for Ca Channel Subtypes", <i>Neuropharmacology</i> , Vol. 32, No. 11, pp. 1141-1149 (1993).			
	14 /	Myers, R.A., et al., "Conus Peptides as Chemical Probes for Receptors and Ion Channels", <i>Chemical Reviews</i> , Vol. 93, No. 5, pp. 1923-1936 (1993).			
	15 /	Nadasdi, L. et al., "Structure-Activity Analysis of a <i>Conus</i> Peptide Blocker of N-Type Neuronal Calcium Channels, <i>Biochemistry</i> , Vol. 34, pp. 8076-8081 (1995)			
	16 /	Nielsen, K. J. et al., "A Consensus Structure for ω -Conotoxins with Different Selectivities for Voltage-sensitive Calcium Channel Subtypes: Comparison of MVIIA, SVIB and SNX-202," <i>J. Mol. Biol.</i> , Vol. 263, pp. 297-310 (1996)			
	17 /	Olivera B.M., et al., "Neuronal Calcium Channel Antagonists. Discrimination between Calcium Channel Subtypes Using ω -Conotoxin from <i>Conus magus</i> Venom†", <i>Biochemistry</i> , Vol. 26, No. 8, pp.2086-2090 (1987).			
	18 /	Olivera B.M., et al., "Conotoxins", <i>The Journal of Biological Chemistry</i> , Vol. 266, No. 33, pp. 22067-22070 (1991).			
Examiner Signature				Date Considered	11/11/07

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NON PATENT LITERATURE DOCUMENTS					
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	19 /	Olivera, B.M., et al., "Diversity of Conus Neuropeptides", <i>Science</i> , Vol. 249, pp. 257-263, July 20, 1990.			
	20 /	Olivera, B.M. et al., "Peptide Neurotoxins from Fish-Hunting Cone Snails", <i>Science</i> , Vol. 230, pp. 1338-1343, December 20, 1985.			
	21 /	Ramilo, C.A., et al., "Novel α - and ω -Conotoxins from <i>Conus striatus</i> Venom†", <i>Biochemistry</i> , Vol. 31, No. 41, pp. 9919-9926 (1992).			
	22	Rivier, J., et al., "Neuronal Calcium Channel Inhibitors", <i>The Journal of Biological Chemistry</i> , Vol. 262, No. 3, pp. 1194-1198 (1987).			
	23 /	Sato, K., et al., "Binding of chimeric analogs of ω -conotoxins MVIIA and MVIIIC to the N- and P/Q-type calcium channels," <i>FEBS Letters</i> , Vo. 414, pp. 480-484 (1997)			
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